

Manufacturing Process Research Project



During this time while we learn about the manufacturing process, you will have a short research project on the manufacturing process. For this project, you will choose anything that has been manufactured. You will give background information on the item (why it was made and a history of its use), the raw materials needed to make the item, the actual manufacturing process in building the item, and the quality control that is used to test the item. You will also include information about the future of this item and predictions about whether this item will change or not and why. This paper should have a cover page and a reference page listing sources where you retrieved your information from. This paper needs to be 2 to 4 pages, 12 size font and Times New Roman font. The paper should include the following information:

- The items history and use
- The raw materials used in making the item
- Dimensions and specifications needed to know in making the item
- A detailed description of the manufacturing process involved in making this item
- Diagrams, pictures or other media used to illustrate how the item is made.
- A detailed description of the quality control process involved in testing the item.
- A reference page that gives the title, author and source of the information used.

An example of what is expected would be to research how the baseball is made. You would learn about the history of the baseball, what materials are used to make the baseball and how the baseball is made. You should know the dimensions of the baseball and the design of the ball inside and out. Next you would learn about the Quality Control process and what it takes for a baseball to pass or fail the test. You would end your paper with future predictions about the baseball and if it changes, what would those changes be and for what purpose.

Manufacturing Process Rubric

Criteria	4	3	2	1	Score
Research: <ul style="list-style-type: none"> - Product history and use - Raw materials used in making item. - Detailed description of the manufacturing process. - Diagrams, picture or other media illustrating how the item is made. - Detailed description of the Quality Control process. 	Clear product history and use. Raw materials used in making item are listed as well as a detailed description of the manufacturing process. Diagrams or other media are included. Quality Control Process is detailed and thorough. (45– 60 points)	Product history and use is clear. Raw materials in making item are listed. Description of the manufacturing process is clear. Quality Control process is detailed. (30– 45 points)	Product and use is present. Raw materials in making item are listed. Description of the manufacturing process is present. (15 – 30 points)	Product use is present. Description of the manufacturing process is present. (Less than 15 points)	
Paper: Content: <ul style="list-style-type: none"> - Accurate information about what is required. - Includes all requirements of description. - Title of assignment and all areas of requirements are covered. 	Information is accurate, includes all requirements of the description. Title of assignment is present. (22 – 30 points)	Information is mostly accurate, includes all requirements of description. Title of assignment is present. (14 – 22 points)	Information is somewhat accurate. Missing some requirements of description. Title of assignment is present. (6 – 14 points)	Information is not accurate. Missing requirements of description. (Less than 6 points)	
Grammar and Mechanics: <ul style="list-style-type: none"> - 2 – 3 pages, double spaced, Times New Roman and size 12 font - Free of spelling errors. - Free of grammatical errors. - Cover page with name and class section. - Reference page with title, author and source. 	Paper is 2 – 3 pages, double spaced with correct font and size. Paper is free of spelling and grammatical errors. Paper has a cover page and a reference page. (8 – 10 points)	Paper is 2 – 3 pages, double spaced with correct font and size. Paper has few spelling and grammatical errors. Paper has a cover page and a reference page. (6 – 8 points)	Paper is 2 pages, double spaced with correct font and size. Paper has spelling and grammatical errors. Paper has either a cover page or a reference page. (4 – 6 points)	Paper is double spaced, with correct font and size. Paper has spelling and grammatical errors and no cover page or reference page. (Less than 4 points)	

This paper is due on _____.